AMENDMENTS TO THE CLAIMS

Kindly amend the claims as follows:

1. (original): An apparatus for the release of an active fluid agent comprising:

a reservoir of active agent;

a compound selective polymer in proximity to said reservoir;

a release orifice in said reservoir, said compound selective polymer experiencing a change of shape upon detection of a target compound, said change of shape exerting pressure on said reservoir causing said active agent to exit said reservoir through said orifice.

2. (original): The apparatus of claim 1 wherein said change of shape is an expansion.

3. (original): The apparatus of claim 1 wherein said change of shape is a contraction.

4. (original): The apparatus of claim 1 wherein said compound selective polymer is a polystyrene.

5. (currently amended): The apparatus of claim 1 wherein said compound selective polymer is a [~~polyalphmethylstyrene~~] polyalphamethylstyrene.

6. (currently amended): An apparatus for the release of an active fluid agent comprising:

means for holding a quantity of an active fluid agent;

means for releasing said active fluid agent into a surrounding environment upon detection of a presence of a predetermined target compound, said means for releasing said active fluid agent comprising a compound selective polymer, said means for releasing said active fluid causing pressure on said means for holding in the presence of said predetermined target compound.

7. (currently amended): The apparatus of claim 6 wherein said means for [~~releasing~~] holding said active fluid agent further comprises an orifice.

8. (original): The apparatus of claim 6 wherein said means for releasing said active fluid agent is a polystyrene.

9. (original): The apparatus of claim 6 wherein said means for releasing said active fluid agent is a polyalphamethylstyrene.

10. (currently amended): A method for releasing [~~a~~] an active fluid agent into an environment upon detection of a target compound comprising the steps of:

storing an active fluid agent in a polymer reservoir;

said polymer reservoir expanding or contracting in a presence of a target compound; said expansion or contraction expelling a portion of said active fluid agent into said environment.

11. (original): The method of claim 10 wherein said polymer is a polystyrene.

12. (original): The method of claim 10 wherein said polymer is a polyalphamethylstyrene.

13. (original): The method of claim 10 wherein said active agent is a perfume compound.

14. (currently amended): An apparatus for releasing a sweet smelling compound into surrounding air in a room where odors are generated comprising a reservoir containing a volume of the sweet smelling compound, the reservoir being made from a [~~special~~] polymer which detects certain [~~order~~] odor causing compounds and contracts or expands in their presence, this contraction or expansion pushing the sweet smelling compound out of a small hole in the reservoir when [~~the~~] one of the [odder] odor causing compounds is present.

15. (original): The apparatus of claim 14 where the sweet smelling compound is a perfume.

16. (currently amended): The apparatus of claim [15] 14 where the special polymer is a polystyrene.

17. (currently amended): The apparatus of claim [15] 14 where the special polymer is a polyalphamethylstyrene.